Rice may also be polished by the use of rude wooden mallets. 252
These have a handle about 3 feet long and a head about 1 1/2 feet [412]
long. Rice is placed in a mortar with straw on top. It is pounded, often by two or three women swinging alternately. After the hulls are removed, the rice is winnowed, and put back in the mortar until a rough polish is secured.

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Uses of rice. Every part of the rice plant has a use. The stubble, left in the ground, becomes a part of next season's fertiliser. The chaff and waste dust (nuka) is saved for pigs, cows, and other domestic animals. The hulls often are used for fertiliser, before or after burning. Rice straw has a variety of uses. The most frequent and important of these is for making rope.

After threshing, the straw is dried two or three days. Three or four stalks of about the same length are taken and rolled between [283]
the palms. The lower palm, usually the left, is open and up. The right palm rolls the straw into a twist. As the rope grows, new stalks are inserted one at a time, and, when needed, a new length of straw is added. This is not a strong rope, but it has a variety of uses, such as tying down the grass thatch to the roof poles, children's swings, and clothes lines. Mats and pads shaped like a [285]
life saver and used to set the sugar pots on after the sugar has been boiled, are made out of rice straw. Another use is in the making of the Zoda (Okinawan). This is a mesh about one foot wide and two feet [482]
long. There are loops on each corner. The end of a pole may be inserted in these loops when gathered together. The pole is carried over the shoulder, and sweet potatoes, straw, or other articles may be easily transported. Simple brooms without a handle, little more than [417]
a bunch of straw tied together in three places are also made of rice straw. Twisting and braiding rice straw is likely to be rainy day work. These articles are most often made twice in the year, corresponding with the harvests.

At typhoon times, if rice is not completely destroyed, the [731]
damaged rice may be used for pig food. The preparation of this rice [231]
is women's work. The rice is put in a mortar and pounded with a [462]
mallet in the manner already described, although a single operator usually does the work.

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Types and preferences. As a general rule, the selection of varieties of rice for planting depends on taste, the nature of the soils, and individual judgment of the expected yield of each type. In Matsuda, it is estimated that about one half of the rice is the Formosan variety, Taichu 65 (Taichu rokujugo), in Okinawa known as horai. Another variety, Kunigami 1 (Kunigami ichigo) represents about one-fourth of the crop. Mochigome (akaho) takes up about another one- [262]
fourth. This glutinous rice has a brown reddish rust colored kernel and is used for rice cakes. A fourth variety, horai-mochimai, is also well liked. No black rice is grown here.

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Matsuda. Polishing rice with a hand mill. This is a posed picture, but rice was polished this way up to shortly before the war. The grass mat prevents wastage. On the left is some Yambaru bamboo. The women are barefooted. The towel-like headdress is not uncommon.

[P. 185(A)]

1: Glacken E-5 (1951-1952) 1953 AC7 Okinawa AC7



## Daily Life of the Fishing Village

Fishing families may have informal gatherings toward the end of the day. On a late summer afternoon, the family may sit in the open doorway of the house, for hedges, fences, the barriers, and trees are rare. The wife may be nursing her naked child. Her husband, a fisherman, has changed into his indigo blue and white striped kimono, a tall, broad, deeply tanned man. Next to him sits his mother, over 70 years old, her hands tattooed, as are those of all the old women. She is wearing a kimono of the same color, but of a dot pattern. They sit on unrolled mats. On the veranda, three or four men, unwashed and still in their work clothes, discuss the events of the day. A lacquer tray with tea cups is on the floor near them and the tea (as it so often is) may be cold. There is brown sugar to eat along with the tea. The grandmother may be economically smoking a half or a third of a cigarette in the typical Japanese pipe. As it grows later, the wife gets up, pours some water in the stone mortar, and smashes the sweet potatoes with the long wooden pole. The men continue talking for a while, then take their leave. The wife, her work at the mortar finished, goes into the dirt kitchen to start the evening meal.

The wife of the fisherman has worries that do not bother the farmer's wife. There is always the danger that her husband, or son, will not return, a real possibility, of which the frequency of widowhood in Minatogawa is proof. Every season, there is at least one instance of a fisherman who has either been lost, or whose delay in returning has provoked intense worry. If crews are still out when an unexpected storm arises, there is considerable tension in the village. Since the war, rescues at sea are more likely than before. The village headman quickly reports overdue boats. The American forces have created much good will in seeking fishermen lost at sea.

Women, on the other hand, have opportunities for leisure when the catch is light, or weather is unfavorable. At these times, they can busy themselves with other tasks, in the field, gathering stones, getting miscanthus, but they do not have the unremitting activity of the woman in the agricultural village. There is more visiting during the day than one observes in an agricultural village.

The fisherman, with or without land, tries to keep pigs and perhaps a few goats. In Minatogawa, the pens are often made of sandstone quarried here. Not only the floors and the sides, but the stalls are made of this material. One reason for this is the openness of the village and the danger that pigs will be killed in a storm. A typhoon may carry away the house, its owners having gone to the stronger house of a friend or relative, but pigs are an investment and an asset to be guarded.

824 (12) The pandanus (adan or takonoki, Japanese scientific name, Pandanus oderatissimus L) is also scattered. Formerly the pandanus was widely used in Okinawa for slippers and a Panama type hat was made for export. This home industry has disappeared from Matsuda, as it has from the south.

(13) The i (Juncus effusus, Linn. var. decipiens Buch). This rush is used in the better quality home made mats (mushiro). The i is generally the warp of these mats, with some other grass the weft. It is occasionally cultivated when rice paddies are not in use, as it requires much water. There are two varieties of i, the round, and the three cornered (sankaku). The three cornered variety is used in cheaper quality mats. The round variety with cotton string as the warp, is used in weaving the best mats.

(14) The Yambaru bamboo (Yambaru take). This I believe is the same as, or at least very similar to the Japanese sasa, or dwarf bamboo (Arundinaria communis Mak.). Yambaru take means "northern district bamboo" and throughout Okinawa the term is used to describe this valuable plant. In appearance, it resembles the susuki grass, but its stalks are much woodier, have a greater diameter, and the plant is much taller. In an uncleared forest, the Yambaru bamboo grows six to nine feet high and has a foothold wherever there is the slightest room in the forest. Patches often are intermingled with the shii, pine, and the numerous shrubs. This is the roof thatch material of the north. Its other uses include the weaving of stationary barriers (hinpun) in front of the house compound. The stalks are closely woven diagonally while still green. The plant has innumerable uses, depending on individual improvisation. While green, charcoal containers may be made out of it; it may be woven into rough baskets (zaru) for carrying sweet potatoes, or to bind up the small bundles of firewood which are sent south. In general, the smaller diameters of Yambaru bamboo are used for roofs; the larger for bamboo fences (takegaki) and the face level hinpun. Bundles of Yambaru bamboo are sent to Naha and Shuri for weaving.

[285] [415]

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The Uses of the Forest

313 Clearcutting seems to be the curse of traditional Oriental forestry. Starting at the convenient base of a hill or mountain, every tree has been cut up the hill until a steep or inaccessible part is reached. This destructive exploitation has been an established Japanese forestry practice despite the obvious inducements to soil erosion.[5]

The results of clearcutting observable near Matsuda now are a product of the overwhelming war and post-war demand for lumber and

5 A report on Japanese natural resources, as cited, 357.

283

Few articles for wear or general household use are made in the house. In Hanashiro and Matsuda, different kinds of ropes are made from the palm or from rice straw. The fibre of the palm is pulled apart and carded with the hands. Lengths of the fibre are twisted by rolling between the palms of the hand. These ropes are very strong, but the palm fibre is now scarce.

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Weaker articles made of rice straw are far more common. The chief ones are ropes (waratsuna), mats (mushiro), a rope mesh (ōda in Okinawan) carried on the ends of poles, twine, and swings (buranko) for children. Braided rice twine is used to tie the dwarf bamboo down to the roof before putting on the tile on top. In Hinatogawa, very few articles of home manufacture are made. Some mats, a very few slippers, and fishing lures are the chief articles.

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The people of Matsuda have better plant fibres and more mat making is found here. Two families specialize in making mats, one using a foot operated loom from Japan, the other a very simple hand loom. Mats are made from two plants which are indigenous: the i rush and the pandanus. Two kinds are used, a three corned (sankaku) and the round (maru), the latter considered superior. In Matsuda, there are four types of mats distinguished by the materials employed: (1) the pandanus mat, (2) the pandanus as the warp, the i rush as the weft, (3) cotton string as the warp, the i as the weft, and (4) an all i rush mat. The best quality is the all rush mat. It is a strong, closely woven and attractive mat. Weaving is done by men in their spare time, or as a full time occupation by those physically unable to do hard work. Occasionally women weave, but it is uncommon. The market is mainly local.

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In the simple upright hand loom, the warp beam is attached to the top board of the loom. The warp is stretched taut and fastened to the bottom board of the loom (corresponding with the cloth beam). The cotton strings, which make up the warp, are alternately set forward and backward, and when the weft is pushed in it goes over one string and under another to make the weave. The weft once in place is pushed down to the bottom by a movable board, with holes which guide it up and down the warp, to make the weave. In lieu of a shuttle, the rush strips used as a weft are guided through the cotton strings of the warp with a piece of bamboo about 4 feet long notched in the end like a bottle cap opener. One end of the rush is put in the notch and the stick is pushed alternately through the threads of the warp. The ends of the weft are tied to the warp to make a fringe and secure the mat against ripping. The rush is wet with a brush before using. It takes about 12 hours to make a 3 x 6 feet mat on this type of loom.

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Men in Matsuda also make rough baskets, mainly for carrying vegetables and the stationary barriers (hinpun), made of the dwarf bamboo. These are woven diagonally when the plant is green and moist.

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In the villages there is little effort to beautify the courtyard, train trees, or to cultivate shrubs and flowers. Now and then one sees a flower bed in the compound or the remains of a rock garden with shrubs and a small pond. But there is little to suggest the Japanese skill in these matters.

2:Maretzki & Maretzki E-5 (1954-1955) 1963 AC7 Okinawa AC7
Taira



and look after the sick. Even if they are too old for any work, like two oldsters over 80 years, they can still hold the youngest grandchild. Two exceptional old men, brothers of almost the same age, pass their time by making rope bags and mats from the fiber of the fan palm. Both are active as financial experts, investing money here and there and lending it for high interests in various shrewd transactions.

## INFORMAL AND FORMAL COOPERATION

Cooperation plays a prominent part in Taira economy. Assistance is always given for major tasks, such as preparing grass land for farm use or house building, or for work which must be done quickly, such as transplanting rice or harvesting and milling sugar. In fact, since wet rice cultivation depends on assistance in any culture that works its paddies by hand, it is noteworthy that the term *iimarû*, used in Taira for labor exchange in planting and harvesting, is also extended to other mutual assistance. The term, literally translated, means "gathering by rotation." A family who plans a project that needs the help of others makes an informal arrangement with relatives or neighbors to help for one or more days. This is simply done by notifying individuals that such help is needed. No one, unless he has urgent reasons, would refuse to comply with a call for assistance. If it is a small task, a few close relatives are asked. In most larger undertakings, it is the neighborhood group that lends a hand. These mutual-assistance groups usually form within the central village and within each of the geographical clusters of the outlying village, although close relatives from other parts of the community may be called. However, the most recent arrivals in Taira, all present members of one family line who have the same surname, act jointly in reclamation of neglected fields to strengthen their economic position.

Return services are expected, but nobody would admit that there is any thought of equal compensation and would not even joke about the matter. There is a strong feeling that calculated thinking is unseemly not only among relatives but also among unrelated neighbors. One man, when asked what would happen if a person refused to comply to a request for help, answered, "There is no such dirty person, and if there were one, he would be an outcast." During the rice planting season, persons helping in another's fields will shortly be helped themselves. In housebuilding, a long time may pass until those who aided will need aid in return.

Except for people over 56, pregnant women, and mothers of chil-

2:Maretzki & Maretzki E-5 (1954-1955) 1963 AC7 Okinawa AC7
Taira



financier, the abacus a mathematician, the book a scholar, and food a glutton. The villagers did not seem to place much credence in the choice. Mothers laughed when asked what choices their children made and commented, "It's something to talk about, but many times we can't even remember which child chose what!"

The child continues to be carried on the back until the next sibling is born, the interval being between about two or three years. By the time an infant is a year old, he has been taken through every nook and cranny of the village. He has also seen all the adults and children of the village and has witnessed the economic and social-ceremonial activities. Whereas he slept most of the time when he was young, he now begins to participate in what goes on about him. He claps his hands in glee in response to his older sibling's delight over some aspect of play or raises his arm in defiance of another child who attempts to strike at his older sibling. In spite of the fact that he is capable of crawling or learning to walk within the second half year of his life, he is kept on the back. He does not protest or clamor to be put down; he seems to prefer being carried to being left to crawl.

Caretakers are too busy with work or play to let the child crawl about freely, so there is no crawling stage in Taira. Older siblings are too involved in play to sit and patiently watch a crawler. The older child would also be severely punished should the infant pick up some object and swallow it or injure himself in his crawling. One 8-year-old found that the 10-month-old sister she toted on her back took to standing on the ground and jouncing up and down every time she squatted to play. After several unsuccessful attempts to stop this annoying behavior, she unstrapped her and allowed her to crawl about freely. The older girl became so engrossed in the game that her mouth dropped open and eyes turned round with fear when one of her playmates shouted, "Hey! the baby put some dirt into her mouth!" Immediately she rushed to "flush" the baby's mouth out with her fingers and promptly strapped her onto the back again and continued playing despite the uncomfortable jouncings. The baby did not protest at being restrapped; she just jounced and played with her hands.

A mother who sits and plucks sweet potato leaves off the vines for hog feed works more efficiently with the baby on her back. Crawling around on the loose floorboards near the fire pit or over the edge of the raised floor, the child would require constant attention. On one occasion the observer was sitting and talking with a mother who was weaving a bamboo basket in her front room. The floor was littered with bamboo shavings and slats. As the mother worked, she was relaxed. She turned and twisted the sharp ends of the bamboo slats, leaving pointed

855 ends swinging in the air, and dropping the huge knife in a careless
857 fashion on the floor near her. Suddenly there was the sound of a crying
[285] baby and her eldest girl appeared with the 8-month-old on her back. Unstrapping the baby, the girl plopped her onto her mother's lap. Instinctively the mother pushed the basket, bamboo slats, and knife away as she unbuttoned her blouse to nurse the baby. When the baby had had its fill, the mother called to the little caretaker to come and carry her. The older child called out that she was going to get a drink of water and disappeared around the house. She entered through the back and called to the baby to come. The baby crawled over but was attracted on the way by the big knife. Instantly the mother snatched it away, and the baby started to move toward the sharp pieces of bamboo. In desperation the mother picked up the baby and called crossly to the girl to come immediately. The older child obeyed, and the baby was strapped onto her back. "Now go and play somewhere," instructed the annoyed mother.

855 Another instance of similar nature took place in the frontyard of a
863 place which that day was the scene of "house playing." A grandmother watching the activity decided to let the year-old baby on her back down to join in the play. "Eh, go and play with your older sisters," she smiled and said to the child as she put her gently down on the ground. The child started to crawl over to the group but stopped and sat very quietly staring ahead for a minute. The grandmother, who had disappeared into the house, reappeared. "A-yah!" she exclaimed as she looked down to see the baby scratching the damp earth about her. The baby had urinated and was puddling about so that in that brief instant she had thoroughly soiled herself as well as her clothing. Grumbling and scolding, "Dirty, dirty!" she picked up and carried at arm's length the baby, who was smiling and gurgling. The old woman cleaned the baby at the water barrel and, dressing her in clean clothes, promptly put her on her back again.

855 The only children who were allowed to crawl about were the sons
184 of two fishermen. Fishermen's wives, compared to the farmer-woods-
462 men's wives, have a great deal more leisure time. They buy their poratoes and rice with money from the sale of fish. The men send their catch to the market via the bus, so their wives, except when they accompany a catch to the city, have only to care for the house and a pig and are free to watch their children as they crawl about.

854 In summary, the infancy period is characterized by consistent nur-
155 turance. Mothers, grandmothers, and child baby-tenders are helpful and demonstrative in their affection. That they value such behavior is further evidenced by their conscious teaching of young children to

Baskets, carrying bags, and raincapes made of
294 fiber from the trunk of the chigu palm, raincapes from the excess rice straw,
[285] and hats made from the leaf of the kuba palm completed the list of major items made at home.

291 Postwar Home Industry in Yamada Before the war many---probably most---Yamada
178 people had never worn Western-style clothing.
197 The few school teachers and a man who worked at the 'son' office were probably the only exceptions. Some of the young men who went to Naichi to work acquired Western clothing there, but the older men and women continued to wear kimono. During the invasion, houses, looms, and other equipment---and much of the clothing---of the people of Yamada were destroyed. At Ishikawa and elsewhere after the battle they received cast-off army clothing. For a time they wore only this and what little they had salvaged from the battle. At present they have supplemented this with Japanese and American-made civilian clothing
[286] in Western types. Probably no one in Yamada weaves cloth today. Only one
[231] cloth loom was located in the whole village, and this had been put away. No one raises silkworms.

178 Basketry is still made, but only for local use. Raincoats of straw
[285] and palm bark are not made in Yamada, but a few are brought in from the north.
[294] However, the army poncho has in part replaced this garment. The kubagasa, the
[291] hat made from the kuba palm leaf, is still made and worn in Yamada, but probably not as much as before the war. A variety of store-bought hats, including sun-helmets, are worn by the younger men.

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Canvas acquired